

U.S. Department of Commerce
National Institute of Standards and Technology
Gaithersburg, MD 20899

Certificate Number: 88-106A1
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National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Platform Scale
Full Mechanical
Model: 854F
 n_{\max} : 2,000
Capacity: See Page 2
Platform: 19" x 28"

Accuracy Class: III

Submitted by:

Cardinal/Detecto
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Standard Features and Options

Fabricated steel lever system
Sliding poise with locking mechanism
Tip weights
Level indicating means

Option: Levertronic conversion capability. Factory converted scales are identified as additional models listed on Page 2.

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Original signed by Chief, Office of Weights and Measures

Issue Date: August 21, 1990

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Cardinal/Detecto
Platform Scale, Full Mechanical
Model: 854F

Application: General purpose.

Additional Model Numbers:

Levertronic	Mechanical	Nominal Capacity	Weighbeam Capacity	e_{\max} Digital/Electronic
	854F-50P	500 lb	50 x 1/4 lb	
	854F-50K	500 kg	50 x 1/4 kg	
5852F*	854F-50PK	500 lb	50 x 1/4 lb	.2 lb.
8851F**		400 kg		.2 kg.
6850F**		200 kg	20 kg x 100 g	.1 kg.
8850F**		800 lb		.5 lb.
8852F**	854F-100P	1,000 lb	100 x 1/2 lb	.5 lb.
5850F*	854F-100PK	1,000 lb	100 x 1/2 lb	.5 lb.
		500 kg	50 x 1/4 kg	

(* Reference Conversion kit, Certificate of Conformance Number 90-111)

(** Reference Conversion kit, Certificate of Conformance Number 90-110)

All mechanical models can be equipped with double weighbeams and poises for tare purposes. A suffix "DB" is added to the model number for this option.

Identification: The identification label is located on the column for the mechanical scales and on the column and the digital weight indicator for the levertronic scales.

The load cell is identified only by manufacturer, model, capacity, and serial number.

Test Conditions: This Certificate supplements Certificate of Conformance Number 88-106 to include the factory converted levertronic versions.

The results of the evaluations conducted on the conversion kits (Certificates of Conformance Numbers 90-110 and 90-111) and the Model 854F mechanical scale (Certificate of Conformance Number 88-106) indicates these devices comply with applicable requirements.

Type Evaluation Criteria Used: NIST Handbook 44, 1990 Edition

Tested By: Gary Castro and Pierre Labossiere (CA)